

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-5. (Canceled)

6. (Currently Amended) A recording apparatus for recording a digital video signal to a recording medium, comprising:

means for recording a compression encoded stream in the recording medium,

wherein a header has been added to the stream,

wherein at least part of the header is recorded to a system area in said recording medium, ~~and~~

wherein said system area is a separate area from a record area for the stream and said system area is securely reproduced in a high speed reproducing operation in which the recording medium is traveled at higher speed than in a recording operation, and

wherein macro blocks of a frame that are generated in the scanning order are rearranged and record positions of the macro blocks are dispersed on the recording medium.

7. (Original) The recording apparatus as set forth in claim 6, wherein in the stream, all the digital video signal has been compressed by intra-frame encoding.

8. (Original) The recording apparatus as set forth in claim 6, wherein the compression encoding generates a stream having a hierarchical structure, and wherein information recorded to the system area is information contained in the header added for each frame.

9. (Original) The recording apparatus as set forth in claim 6, wherein the compression encoding generates a stream having a hierarchical structure, and wherein information recorded to the system area is information contained in the header of the highest hierarchical level.

10. (Currently Amended) A recording method for recording a digital video signal to a recording medium, comprising the step of:

recording a compression encoded stream in the recording medium

wherein a header has been added to the stream,

wherein at least part of the header is recorded to a system area in said recording medium, ~~and~~

wherein said system area is a separate area from a record area for the stream and said system area is securely reproduced in a high speed reproducing operation in which the recording medium is traveled at higher speed than in a recording operation; and

wherein macro blocks of a frame that are generated in the scanning order are rearranged and record positions of the macro blocks are dispersed on the recording medium.

11. (Currently Amended) A reproducing apparatus for reproducing a recording medium on which a compression encoded stream has been recorded, and a header has been added to said stream,

wherein at least part of the header has been recorded in a system area in said recording medium,

wherein said system area is a separate area from a record area for the stream and said system area is securely reproduced in a high speed reproducing operation in which the recording medium is traveled at higher speed than in a recording operation,

wherein in the high speed reproducing operation, the reproduced stream is decoded using information contained in the header reproduced from the system area, and

wherein macro blocks of a frame that are generated in the scanning order are rearranged and record positions of the macro blocks are dispersed on the recording medium.

12. (Original) The reproducing apparatus as set forth in claim 11, wherein the header is created with information contained in the header reproduced from the system area, and wherein the reproduced stream is decoded corresponding to the created header.

13. (Original) The reproducing apparatus as set forth in claim 11, wherein the information reproduced from the system area is information contained in the header added for each frame.

14. (Original) The reproducing apparatus as set forth in claim 11, wherein the stream has a hierarchical structure, and wherein the information reproduced from the system area

is information contained in the header of the highest hierarchical level.

15. (Currently Amended) A reproducing method for reproducing a recording medium on which a compression encoded stream has been recorded, and a header has been added to said stream,

wherein at least part of the header has been recorded in a system area in said recording medium,

wherein said system area is a separate area from a record area for the stream and said system area is securely reproduced in a high speed reproducing operation in which the recording medium is traveled at higher speed than in a recording operation,

wherein in the high speed reproducing operation, the reproduced stream is decoded using information contained in the header reproduced from the system area, and

wherein macro blocks of a frame that are generated in the scanning order are rearranged and record positions of the macro blocks are dispersed on the recording medium.

16. (Currently Amended) A recording apparatus for recording a digital video signal to a recording medium, comprising:

means for recording a compression encoded stream in the recording medium,

wherein a header has been added to the stream,

wherein information of the header added to each frame is the same in all frames,

wherein at least part of the header is recorded to a system area, ~~and~~

wherein said system area is a separate area from a record area for the stream and said system area is securely reproduced in a high speed reproducing operation in which the

recording medium is traveled at higher speed than in a recording operation, and

wherein macro blocks of a frame that are generated in the scanning order are rearranged and record positions of the macro blocks are dispersed on the recording medium.

17. (Previously Presented) The recording apparatus as set forth in claim 6, wherein the recording medium is a tape shaped recording medium.

18. (Previously Presented) The reproducing apparatus as set forth in claim 11, wherein the recording medium is a tape shaped recording medium.

19. (Currently Amended) A recording apparatus for recording a digital video signal to a recording medium, comprising:

a recording unit operable to record a compression encoded stream in the recording medium

wherein a header has been added to the stream,

wherein at least part of the header is recorded to a system area in said recording medium, ~~and~~

wherein said system area is a separate area from a record area for the stream and said system area is securely reproduced in a high speed reproducing operation in which the recording medium is traveled at higher speed than in a recording operation, and

wherein macro blocks of a frame that are generated in the scanning order are rearranged and record positions of the macro blocks are dispersed on the recording medium.